

Specifications — MLC 104 Series

Control/remote — MLC controller host ports

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| Serial control port | 2 RS-232: 1 side panel 3.5 mm, 3-pole, direct insertion captive screw connector, 1 front panel 2.5 mm mini stereo jack |
| Baud rate and protocol | 38400, 8 data bits, 1 stop bit, no parity |
| Serial control pin configurations | 3-pole direct insertion captive screw connector: TX = TX, RX = RX, GND = GND Mini stereo jack: tip = TX, ring = RX, sleeve = GND |
| Ethernet control port (MLC 104 IP) | 1 RJ-45 female |
| Ethernet data rate (MLC 104 IP) | 10/100Base-T, half/full duplex with autodetect |
| Ethernet protocol (MLC 104 IP) | ARP, DHCP, ICMP (ping), TCP/IP, Telnet, HTTP, SMTP |
| Ethernet default settings (MLC 104 IP) | Link speed and duplex level = autodetected IP address = 192.168.254.254, subnet mask = 255.255.0.0, default gateway = 0.0.0.0 DHCP = off |
| Web server (MLC 104 IP) | Up to 200 simultaneous sessions 7.25 MB nonvolatile user memory |
| Secondary control panel (SCP) .. | (1) 3.5 mm 5-pole direct insertion captive screw connector |
| Program control | Extron's configuration program for Windows® Extron's Simple Instruction Set (SIS™) Microsoft® Internet Explorer, Telnet (MLC 104 IP) |

Control — projector/plasma

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| Projector control port | (1) 3.5 mm direct insertion captive screw connector, 3 pole Programmable for RS-232 control (± 5 V) or TTL level (0 to 5 V) infrared control up to 1 MHz |
| Baud rate and protocol (RS-232) | 115200 to 300 (9600 default) baud (configurable); 8 (default) or 7 data bits; 1 (default) or 2 stop bits; no parity (default), or even or odd parity |

Control — switcher

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| Switcher control port | (1) 3.5 mm direct insertion captive screw connector, 3 pole, for RS-232 control (± 5 V) |
| Baud rate and protocol | 9600 baud; 8 (default) or 7 data bits; 1 (default) or 2 stop bits; no parity (default), or even or odd parity |

Digital input control

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| Number/type | 1 digital |
| Connector | (1) 3.5 mm direct insertion captive screw connector (shared with power sense port) |
| Pin configuration | power sense = digital in, GND = GND |
| Input voltage range | 0-12 VDC |
| Input impedance | 28k ohms |
| Programmable pullup | 2k ohms to +3.3 VDC |
| Threshold low to high | >1.2 VDC |
| Threshold high to low | <1.1 VDC |

General

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| External power supply | 100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1 A, regulated |
| Power input requirements | 12 VDC, 0.285 A |
| Temperature/humidity | Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing |
| Rack mount | Yes, with optional rack mounting kits, and also wall- and furniture-mountable with optional mounting kits |

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| Enclosure type | Metal |
| Enclosure dimensions | |
| MLC 104 faceplate | 4.5" H x 4.6" W x 0.1" D (11.4 cm H x 11.7 cm W x 0.3 cm D) (2 gang) |
| MLC 104 AAP faceplate . | 4.5" H x 8.3" W x 0.1" D (11.4 cm H x 21.2 cm W x 0.3 cm D) (4 gang) |
| MLC 104 L, MLC 104 IP L faceplate | |
| | 3.2" H x 6.5" W x 0.1" D (8.1 cm H x 16.5 cm W x 0.3 cm D) |
| Device | 2.75" H x 3.5" W x 2.0" D (7.0 cm H x 8.9 cm W x 5.9 cm D) |
| | (fits some 2 gang boxes) |
| | (Depth excludes knob and buttons.) |
| Product weight | 1.9 lbs (0.9 kg) |
| Shipping weight | 6 lbs (3 kg) |
| Vibration | ISTA 1A in carton (International Safe Transit Association) |
| Listings | UL, CUL |
| Compliances | CE, FCC Class A, VCCI, AS/NZS, ICES |
| MTBF | 30,000 hours |
| Warranty | 3 years parts and labor |

NOTE *All nominal levels are at $\pm 10\%$*

NOTE *Specifications are subject to change without notice.*

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